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Search result: 1 of 1

**(WO/1994/011027) PERIPHERALIZATION OF HEMATOPOIETIC STEM CELLS**

<a href="#">Biblio. Data</a>	<a href="#">Description</a>	<a href="#">Claims</a>	<a href="#">National Phase</a>	<a href="#">Notices</a>	<a href="#">Documents</a>
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Abstract: The invention provides methods for peripheralizing CD34<sup>+</sup> cells, including hematopoietic stem cells. In a first aspect, the method comprises the step of administering a blocking agent of VLA-4 antigen on the surface of CD34<sup>+</sup> cells. In a second aspect, the method comprises administering a blocking agent of VLA-4 antigen on the surface of CD34<sup>+</sup> cells and administering a stimulating agent of CD34<sup>+</sup> cell proliferation  $\$$ (in vivo). The method according to the invention is useful in the treatment of cancer or AIDS, and in gene therapy.

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